

What is claimed is:

1. A receiver comprising:

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two or more tuned channels, utilizing a programmed means to respond to a user's request for a selected one of the two or more tuned channels by causing one of a set of descrambling keys for the selected channel to be outputted, in accordance with the associated descrambled digital transport streams required to format information into a selected video display .

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2. The receiver in claim 1, wherein the set of descrambling keys are stored in a memory.

3. The receiver in claim 1, wherein the set of descrambling keys are compared, in a program selection mode of operation, to identify a desired digital transport stream.

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4. The receiver in claim 2, wherein the set of descrambling keys are retrieved from the memory, responsive to selected one of the two or more tuned channels.

5. A receiver comprising:

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a tuning and a decoding unit for tuning and decoding a digital transmission to produce a set of control words related to two or more tuned channels each associated with a descrambling key;

a programmed means to respond to a user's request for a selected one of the two or more tuned channels by causing one of the control words within the set of control words to generate a descrambling key for the selected channel to be outputted, to descramble digital transport streams required to format digital information into a video display.

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6. The receiver in claim 5, wherein the set of control words are stored in a memory.

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7. The receiver in claim 5, wherein the set of control words are compared, in a program selection mode of operation, to identify a desired digital descrambling key stream.

8. The receiver in claim 6, wherein the set of control words are retrieved, from the memory,

the stored portion of the control words comparing favorably to the descrambling key means associated with the desired digital transport stream.

9. A method of video transmission reception comprising:

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tuning and decoding a digital transmission to produce a set of descrambling keys associated with two or more tuned channels; and

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programming a means to respond to a user's request for a selected one of the two or more tuned channels by causing the set of descrambling keys for the selected channel to be outputted, to descramble digital transport streams required to format digital information into a video display.

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10. The method of reception in claim 9, further comprising storing the set of descrambling keys in a memory.

11. The method of reception in claim 9 further comprising comparing the set of descrambling keys in a program selection mode of operation, to identify a desired digital transport stream.

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12. The method of reception in claim 10, further comprising retrieving the set of descrambling keys from the memory, the stored portion of the descrambling keys comparing favorably to the desired digital transport stream.

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13. A method of reception comprising:

tuning and decoding a digital transmission to produce a set of control words related to two or more tuned channels each associated with an descrambling key; and

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programming a means to respond to a user's request for a selected one of the two or more tuned channels by causing one of the control words within the set of control words to generate a descrambling key for the selected channel to be outputted, to descramble digital transport streams required to format digital information into a video display.

14. The method of reception in claim 13, further comprising storing the set of control words in a memory.

15. The method of reception in claim 13, further comprising comparing the set of control words in a program selection mode of operation, to identify a desired digital transport stream.

16. The method of reception in claim 14, further comprising retrieving the set of control words from the memory, the stored portion of the control words comparing favorably to the desired descrambling key.

17. A method of reception comprising the steps of:

determining a potential viewing channel; decoding a decoding key associated with the potential viewing channel; storing the decoding key in a memory retrievable in the event the potential viewing channel is selected by a user; determining if all channels having the potential for viewing have had the respective descrambling keys decoded and if all channels having the potential for viewing have not had the respective descrambling keys decoded then continuing to monitor a digital transmission for a new control word, as required in time-varying broadcast.

18. The method of reception in claim 17, further comprising the step of retrieving the descrambling key associated with a selected viewing channel.

19. The method of reception in claim 18, further comprising the step of utilizing the descrambling key associated with a selected viewing channel to assemble digital data.

20. A method of reception comprising the steps of:

determining a potential viewing channel; decoding a control word associated with the potential viewing channel; storing the control word in a memory retrievable in the event the potential viewing channel is selected by a user; determining if all channels having the potential for viewing have had the control word decoded and if all channels having the potential for viewing have not had the respective control word decoded then continuing to monitor a digital transmission for a new control word, as required in time-varying broadcast.

21. The method of reception in claim 20, further comprising the step of retrieving the control word to descramble a key associated with a selected viewing channel.

- 5    22. The method of reception in claim 21, further comprising the step of utilizing the control word to descrambling a key associated with a selected viewing channel to assemble digital data.